INTERNATIONAL SEARCH REPORT

Internatic pplication No
PCT/US 02/20069

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F16H1/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F16H F16C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 964 334 A (HICKS RAYMOND JOHN) 22 June 1976 (1976-06-22) abstract; figures	1,8,15, 21
A	US 3 303 713 A (HICKS RAYMOND J) 14 February 1967 (1967-02-14) cited in the application abstract; figures	1,8,15, 21
A	EP 0 054 280 A (HOHENZOLLERN HUETTENVERWALT) 23 June 1982 (1982-06-23) abstract; figures	1,8,15, 21
A	DE 682 354 C (WERKE KIEL AKT GES DEUTSCHE) 13 October 1939 (1939-10-13) abstract; figures	1,8,15, 21

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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"P" document published prior to the international filing date but later than the priority date claimed

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
15 October 2002	21/10/2002

Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Wagner, H

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PCT/US 02/20069

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	DE 24 42 588 A (KLOECKNER HUMBOLDT DEUTZ AG) 18 March 1976 (1976-03-18) abstract; figures	1,8,15, 21
A	DE 197 06 686 A (TAUSEND ERICH) 27 August 1998 (1998-08-27) abstract; figures	1,8,15, 21

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Information on patent family members

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